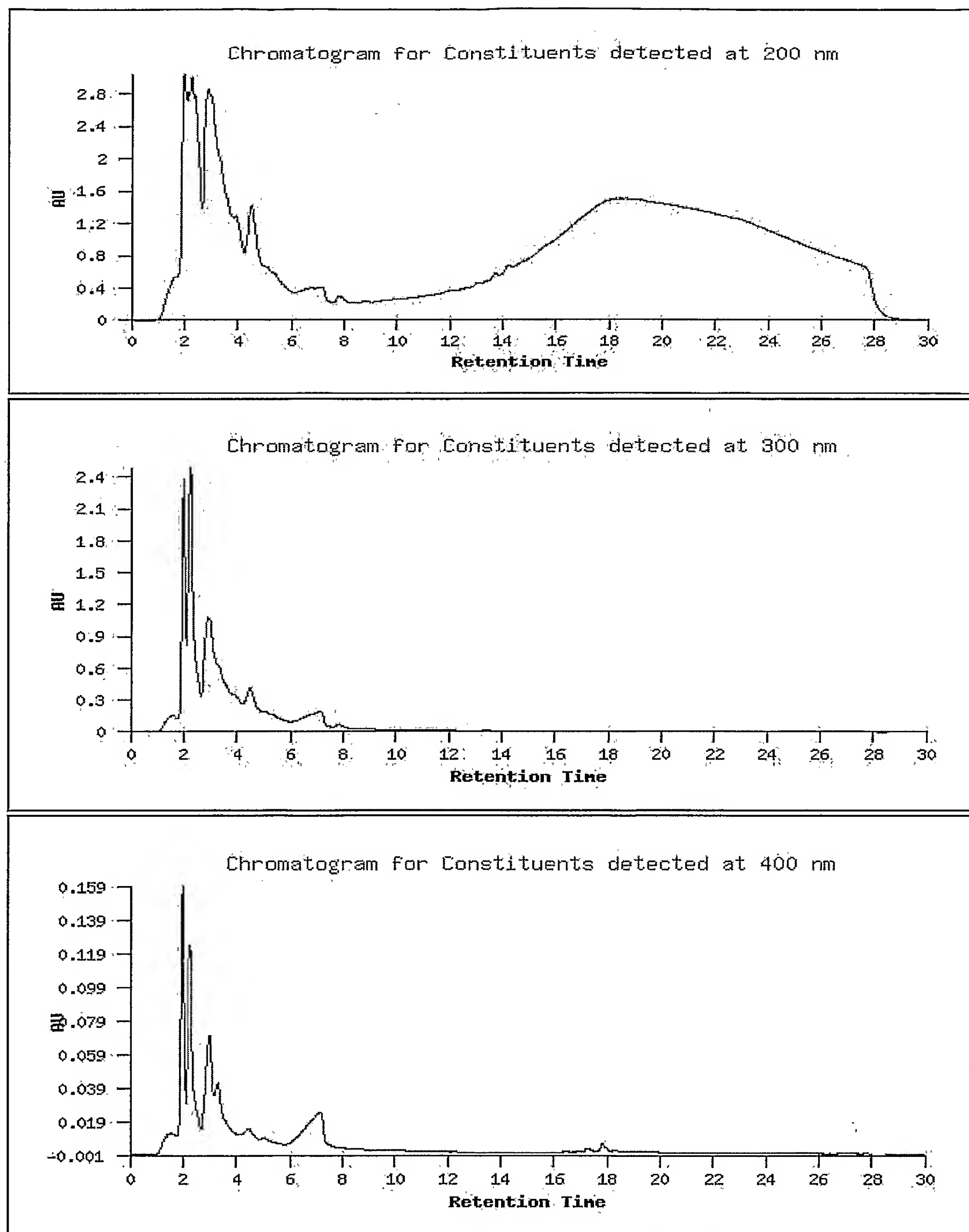


Figure 1: HPLC profile of 20% ethanol extract of *Eugenia jambolana* at various wavelength



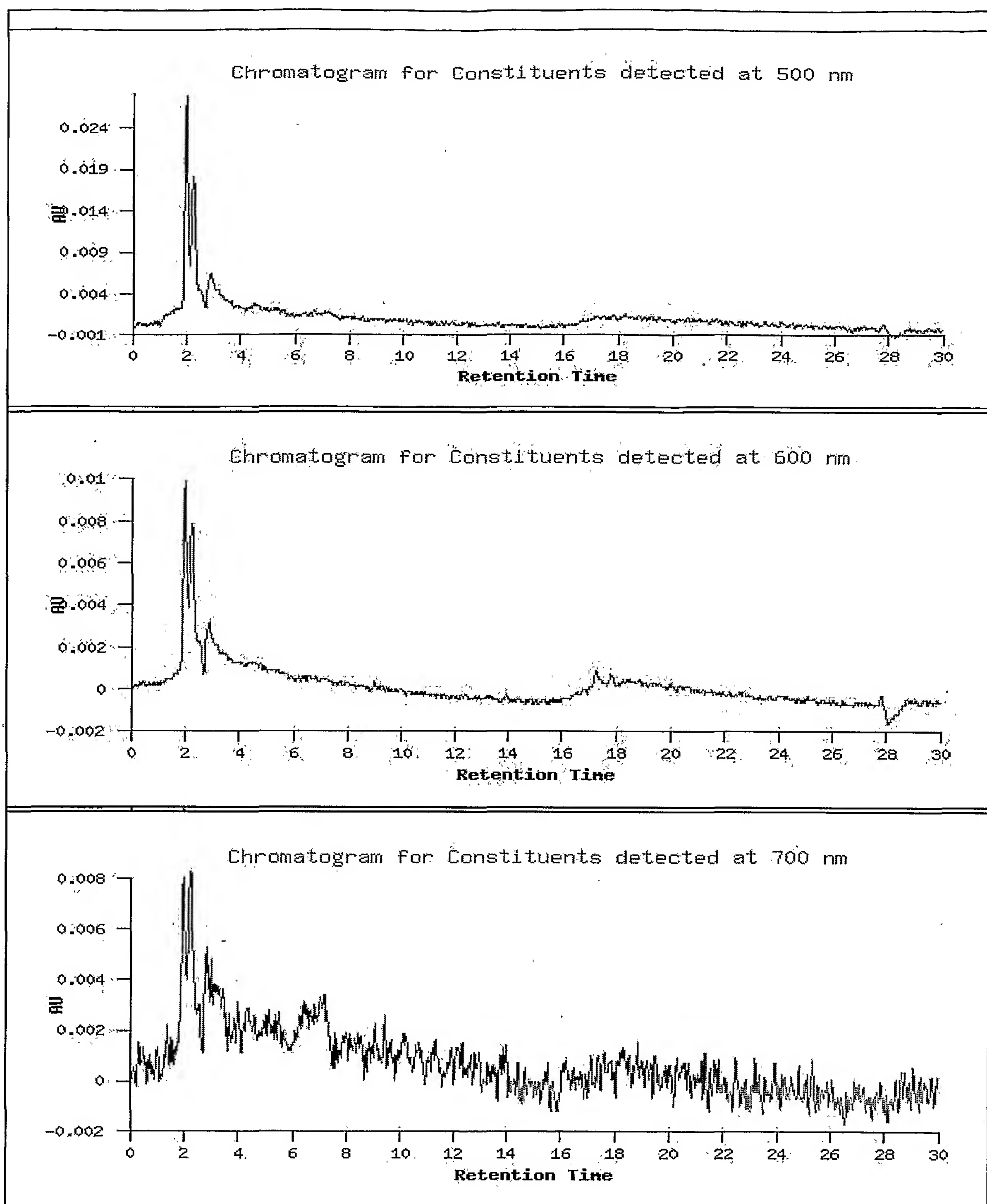


Figure 2 shows HPLC profiles of leads with promising insulin mimetics.

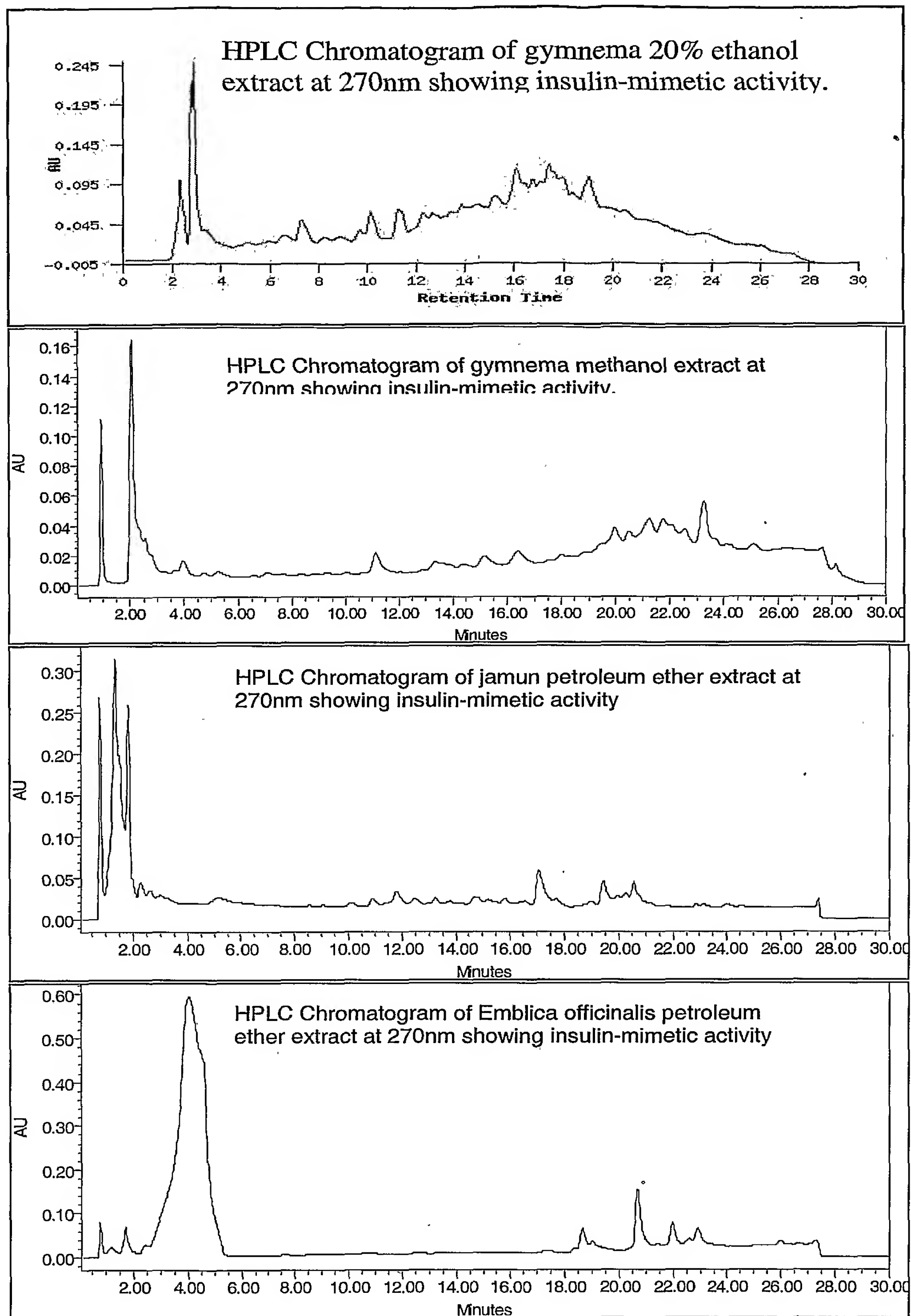


Figure 2 shows HPLC profiles of leads with promising insulin mimetics.

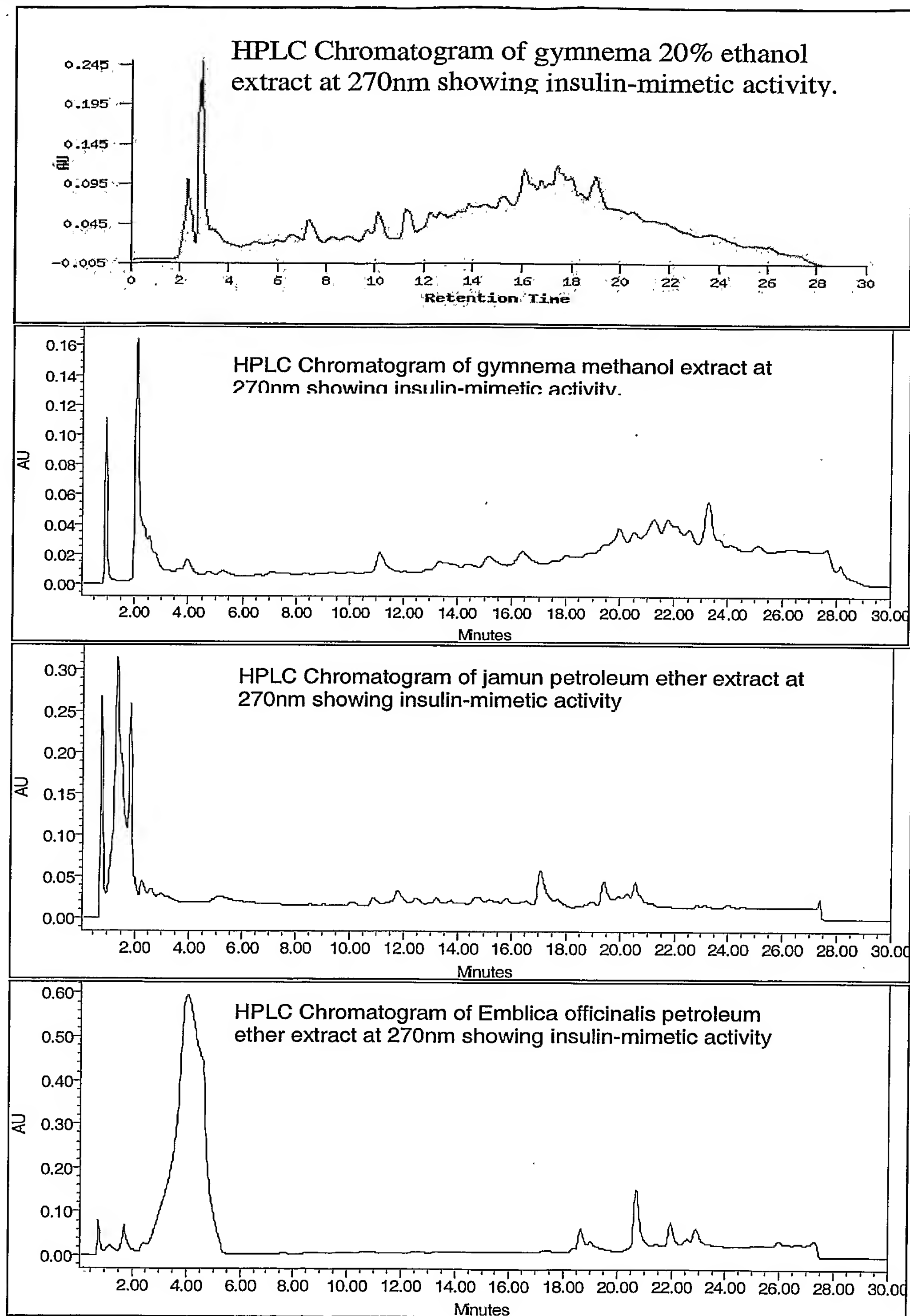


Figure 3 shows the data from table 9 expressed as a percent of the counts observed in the cells + insulin control. Four plant extracts stimulated [ $^3\text{H}$ ]-deoxyglucose uptake by 1.5 to 2-fold above that seen with insulin alone.

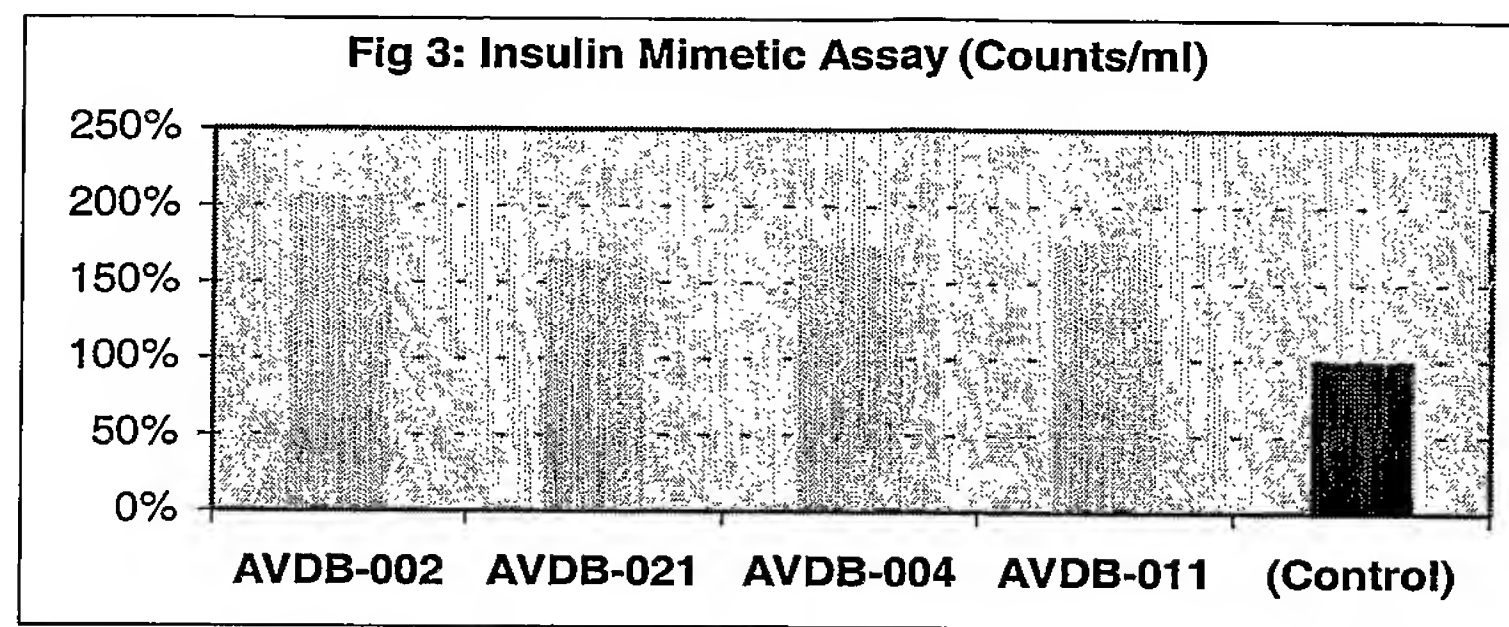


Figure 4 showing HPLC profiles of insulin sensitizers:

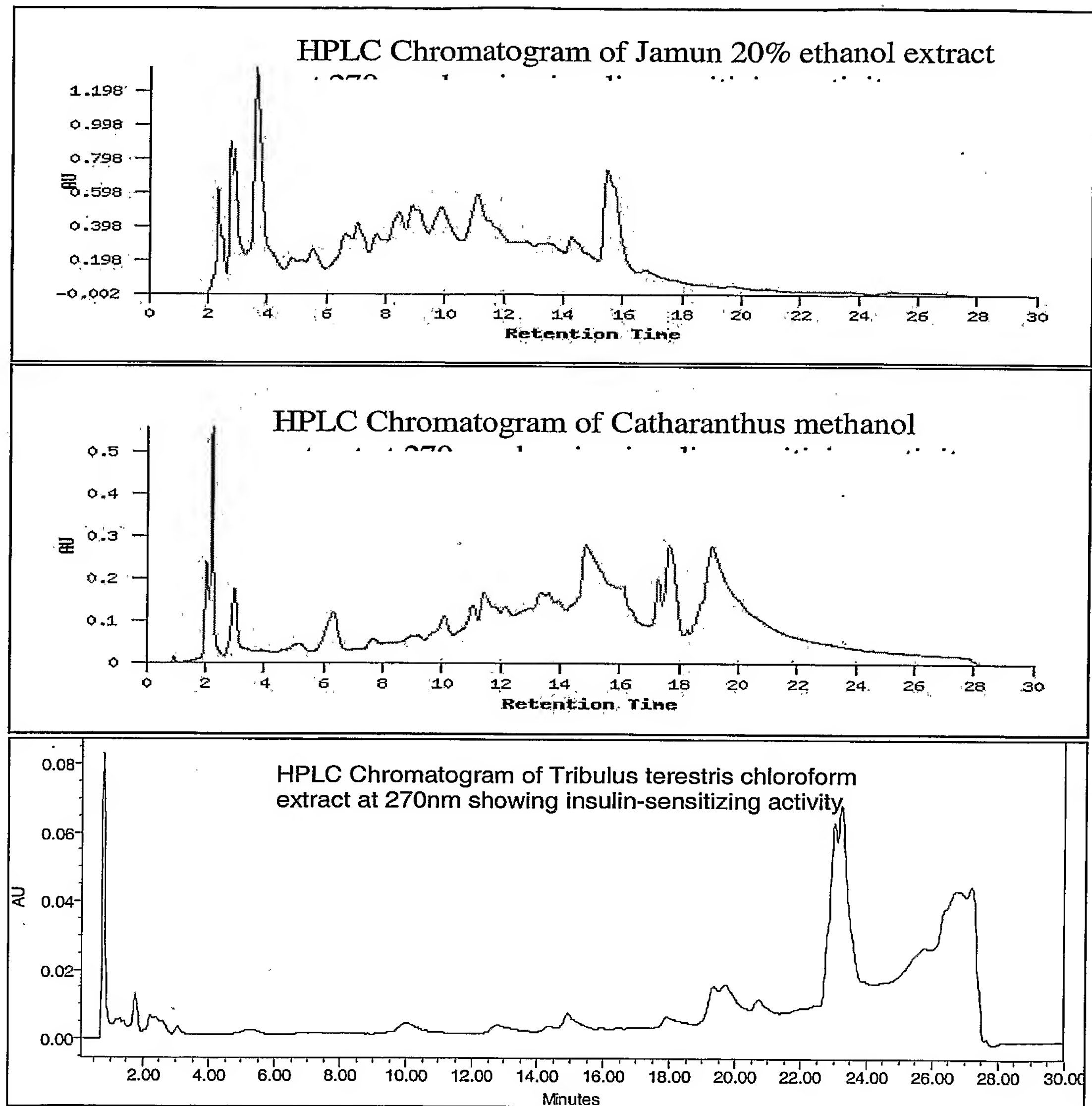
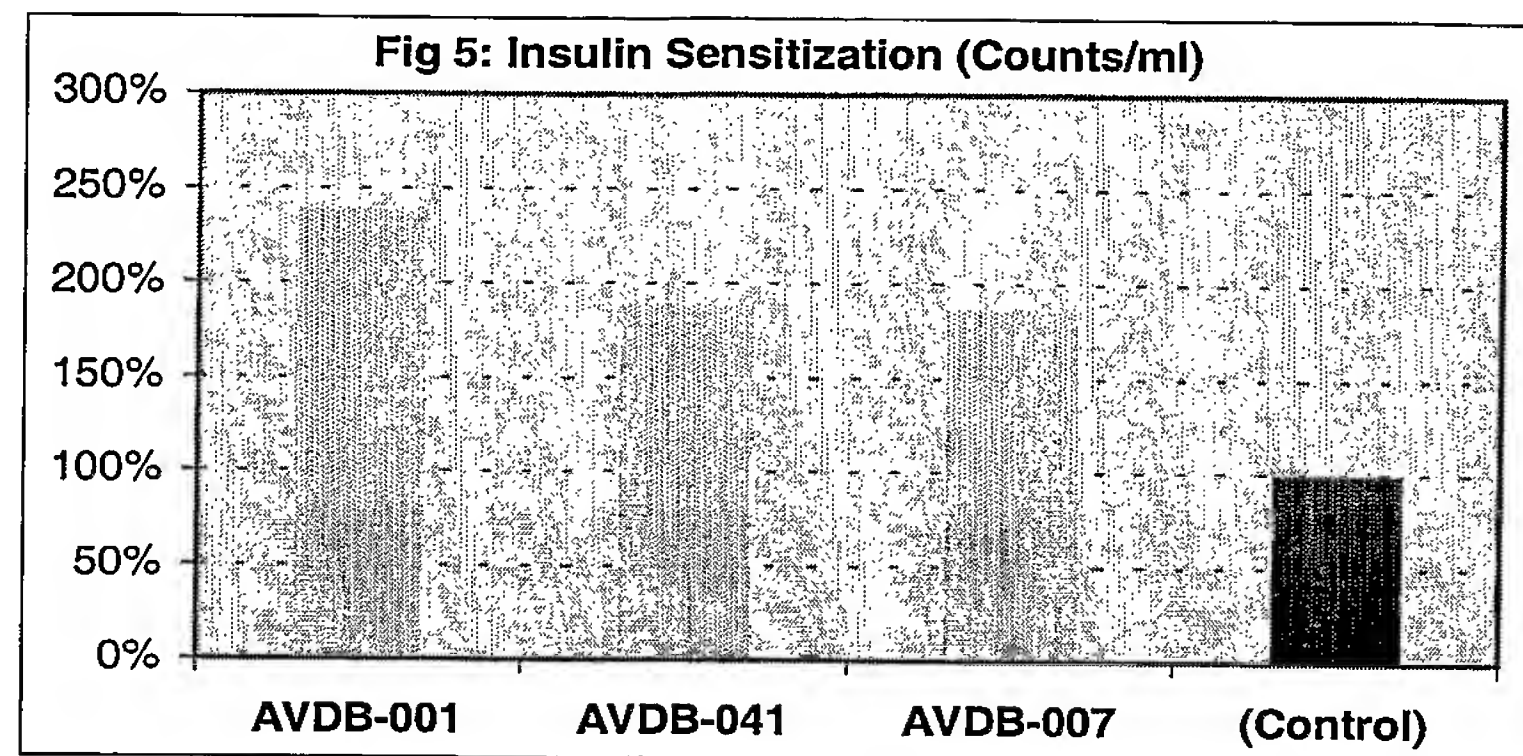


Figure 5: The data from Table 5 are expressed as a percent of the counts observed in the cells + insulin control



**Figure 6:** HPLC profiles of medicinal plants that shows alpha-glucosidase inhibitor activities.

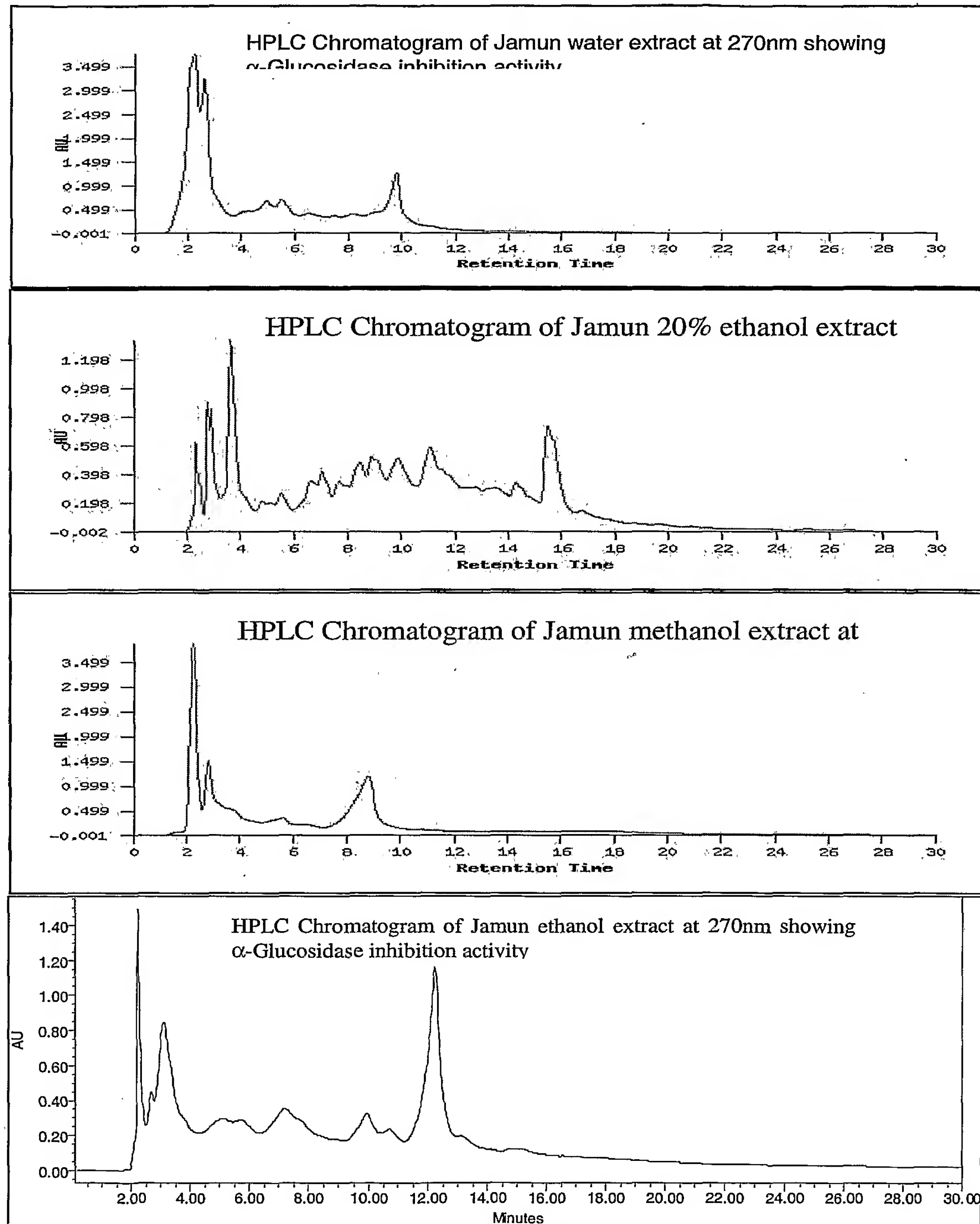




Figure 7: shows that four medicinal plant fractions showed significant  $\alpha$ -glucosidase inhibitory activities in the screening procedure. The relative inhibitory potency was calculated a reciprocal of the  $IC_{50}$ , using the following formula:

**Relative Potency = 1000 /  $IC_{50}$**

